

Pre-Lab Exercise for *Thin Lenses*

1. Sketch the cross section of a typical converging lens and a typical diverging lens. Label the sketches with “converging” and “diverging.”
2. Describe the technique that will be used to “directly” determine the focal length of a converging lens.
3. Describe the technique that will be used to verify eq. (1), the lens equation.
4. Describe the technique that will be used to verify eq. (2), the equation for lateral magnification.
5. Describe the final experiment to be carried out (**Combinations of Lenses**).